

CLAIMS

1. A disintegrant for tablets consisting of an α -1,4-glucan having a degree of polymerization of not less than 180 and
5 less than 1230 and a dispersity (weight average molecular weight "Mw"/number average molecular weight "Mn") of not more than 1.25 or a modified product thereof.
2. The disintegrant according to claim 1, wherein said
10 α -1,4-glucan is an enzymatically synthesized α -1,4-glucan.
3. The disintegrant according to claim 1, wherein said disintegrant is a modified product of said α -1,4-glucan, and said modification is a chemical modification selected
15 from the group consisting of esterification, etherification and cross-linking.
4. A binder for tablets consisting of an α -1,4-glucan having a degree of polymerization of not less than 1230 and not
20 more than 37000 and a dispersity of not more than 1.25 or a modified product thereof.
5. The binder according to claim 4, wherein said α -1,4-glucan is an enzymatically synthesized α -1,4-glucan.
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6. The binder according to claim 4, wherein said binder is a modified product of said α -1,4-glucan, and said modification is a chemical modification selected from the group consisting of esterification, etherification and
30 cross-linking.
7. A binding-disintegrating agent for tablets consisting of a low molecular weight α -1,4-glucan or a modified product

thereof, and a high molecular weight α -1,4-glucan or a modified product thereof,

wherein said low molecular weight α -1,4-glucan has a degree of polymerization of not less than 180 and less than
5 1230 and a dispersity of not more than 1.25, and

wherein said high molecular weight α -1,4-glucan has a degree of polymerization of not less than 1230 and less than 37000 and a dispersity of not more than 1.25.

10 8. The binding-disintegrating agent according to claim 7, wherein said α -1,4-glucan is an enzymatically synthesized α -1,4-glucan.

15 9. The binding-disintegrating agent according to claim 7, wherein said binding-disintegrating agent is a modified product of said α -1,4-glucan, and said modification is a chemical modification selected from the group consisting of esterification, etherification and cross-linking.

20 10. The binding-disintegrating agent according to claim 7, wherein the weight ratio of said low molecular weight α -1,4-glucan or a modified product thereof to said high molecular weight α -1,4-glucan or a modified product thereof is 98:2 to 60:40.

25 11. The binding-disintegrating agent according to claim 7, wherein the weight ratio of said low molecular weight α -1,4-glucan or a modified product thereof to said high molecular weight α -1,4-glucan or a modified product thereof
30 is 2:98 to 40:60.

12. A tablet comprising a low molecular weight α -1,4-glucan or a modified product thereof, and a high molecular weight

α -1,4-glucan or a modified product thereof,

wherein said low molecular weight α -1,4-glucan has a degree of polymerization of not less than 180 and less than 1230 and a dispersity of not more than 1.25, and

5 wherein said high molecular weight α -1,4-glucan has a degree of polymerization of not less than 1230 and less than 37000 and a dispersity of not more than 1.25.